

Database Deployment and Distribution of Information FY03

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Database Deployment and Distribution of Information FY03

TEAM:

Isabell Archuleta: Samples Data Collection

Eva Medina: ISP Database

Larry Peppers: Data Analysis

ACKNOWLEDGE:

Beverly Bender

Ed Wilson

Janey Headstrom

Deployment and Distribution

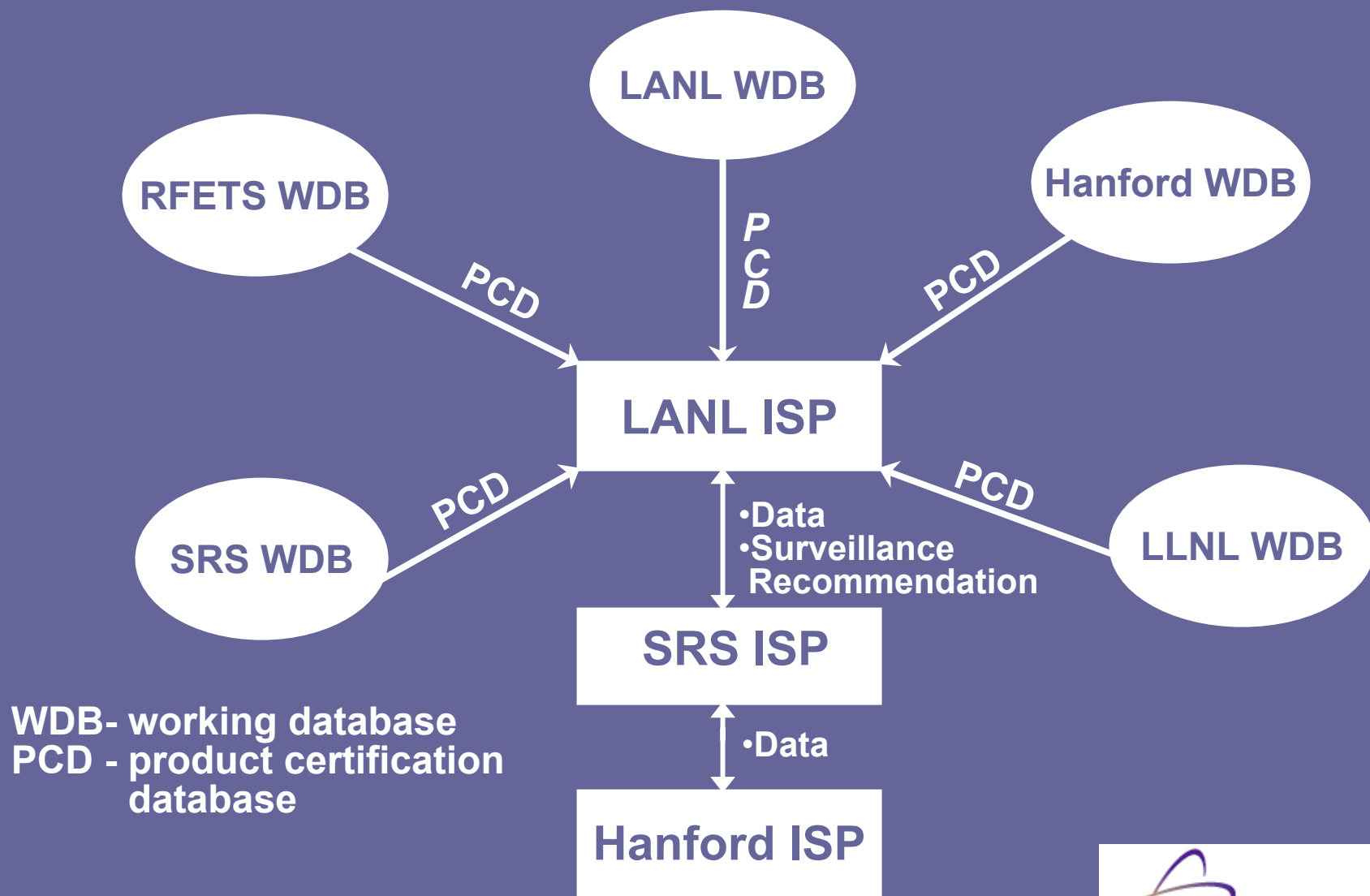
- Sites Coordination
 - On Going Efforts
 - SRS
 - RFETS
 - LANL
 - LLNL
 - HANFORD
 - Focus on Surveillance
 - Distribution of Information
 - Site Facilitation

Deployment and Distribution

- TERMINOLOGY

- ISP Integrated Surveillance Program
- WDB Working Database
- PCD Product Certification Database
- LANL ISP Integrated Surveillance Program Database

Deployment and Distribution



Cross-Complex Action

- Distribute Data Using Trusted File Transfer System (Completed @ LANL Awaiting DOE-AL Approval)
- Initiates Ability to Take Data From SRD Database and Distribute it onto Website
- Includes Reports from Database such as Surveillance Recommendation for RFETS Items @ SRS
- Keep Adding PCD Data Where Possible

Site Specific WDB-PCD

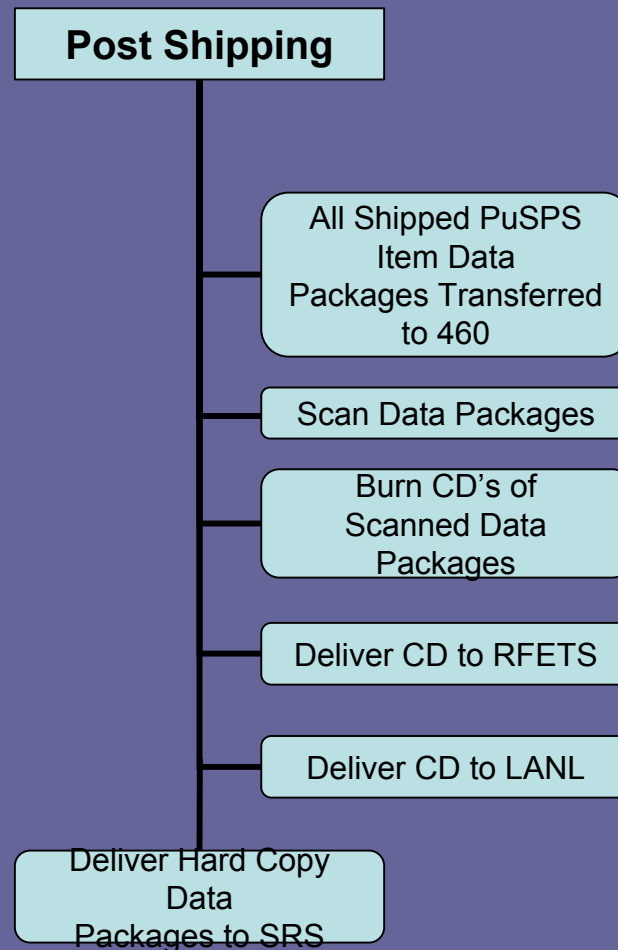
<u>Site</u>	<u>Deployment Status</u>	<u>Point of Contact</u>
• Rocky Flats	<ul style="list-style-type: none">– WDB: In Production– PCD: Operational	<ul style="list-style-type: none">• Dave Prochnow• Luis Estrada
• SRS	<ul style="list-style-type: none">– WDB: Pre Production– PCD: Operational	<ul style="list-style-type: none">• Dave Ecklund• Eric Smith• Buzzy Cheadle
• LANL	<ul style="list-style-type: none">– WDB: Pre Production– PCD: Pre Production	<ul style="list-style-type: none">• Elizabeth Ronquillo• Larry Peppers
• LLNL	<ul style="list-style-type: none">– WDB: Pre Production– PCD: Operational	<ul style="list-style-type: none">• David Riley
• Hanford	<ul style="list-style-type: none">– WDB: Sample Provided– PCD: Pre Training	<ul style="list-style-type: none">• Al Grasher

Deployment and Distribution

DEPLOYMENT STATUS:

RFETS: (Keep Things Moving)

- Technical Expertise
 - Advice WDB/ PCD
 - Rounding Issue
 - They are Fixing @ Home
 - We Do Everyone Else
- Prompt Gamma
 - Continue Receiving
 - More Next Slide
- Scan Line Operation
 - Expedite Shipments
 - Fill Information Gaps
- Other
 - 45 Day Timetable

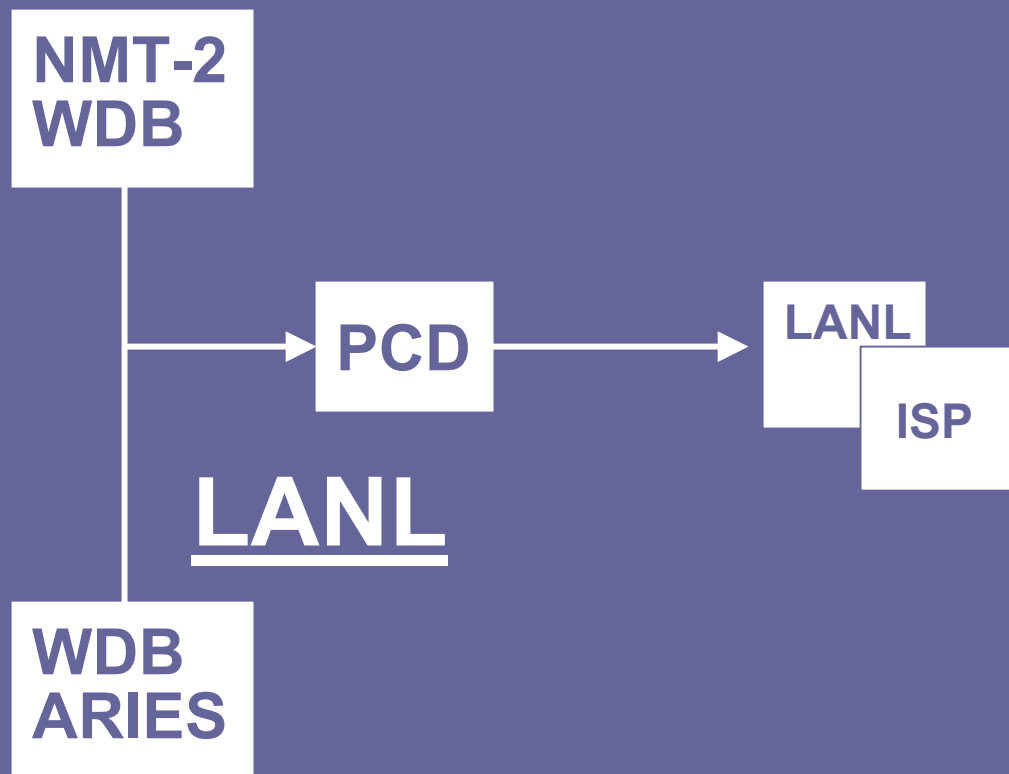


Deployment and Distribution

DEPLOYMENT STATUS:

LANL

- WDB Built to NMT-2 SPEC
- Aries and NMT-2 DB Mesh
- PCD is up to SRS Standard
- PCD Integrates ISP



Deployment and Distribution

DEPLOYMENT STATUS:

LANL

- Strengthen Our Delivery Mechanism and Timetables
- Move from 50 ~ 1000 items both types of Data on Website
- Working towards more Quantitative Methodology

LA-UR 02-3270

ARF102-85-223

		Calcined @ 600° C	Calcined @ 950° C	Prompt Gamma Results									
				# pres	Enrgy	Counts	Rel int	Enrgy	Counts	Rel int	Enrgy	Counts	Rel int
Chlorine	(wt. %)	12.00000	5.50000	1/6	2167	280	100						
Fluorine	(wt. %)	.0110-.0550	0.06000	3/20	1275	1148	18.8	198*	1841	100	583	3318	21.2
Aluminum	(wt %)	<.0062	0.01300	3/21	710	477	27.1	844*	432	6.5	1014*	332	5.5
Beryllium	(wt %)	Not Meas.	0.0002										
Carbon	(wt. %)	0.02	0.1500										
Iron	(wt %)	0.02000	0.06000	1/7	847	556	84.3						
Magnesium	(wt %)	0.63000	0.54000	4/11	844*	432	93.1	1779*	390	58.6	2029	57	10.7
Potassium	(wt %)	4.90000	1.87000	2/3	1524	149	100	313*	13500	20			
Silicon	(wt %)	<.1644	<.0720	1/8	4779±	390	4.3						
Sodium	(wt %)	3.74000	1.47000	9/19	1808	4100	100	1129	1050	51.5	1003	361	8.5

* Denotes possible overlap of peaks and uncertainty in identification.

Conclusions

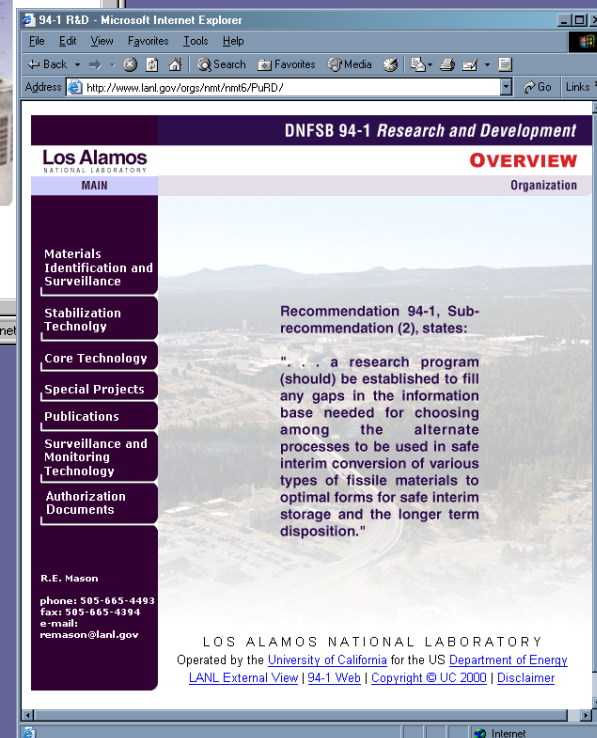
1. High chlorine content.
2. Low fluorine content.
3. High sodium content.
4. High potassium content.
5. Both Al and Mg detected. Each show distinct peaks: Al: 710 and Mg: 2029.
6. Cannot detect silicon at this time (2235 not present).

Integrated Surveillance Program

DEPLOYMENT STATUS:

LANL

- Produce Datamap for Every Item
- Create PCD from Historical MIS Items Integrate that to ISP
- Distribute Information
- Continue Track LANL 02-03 Work

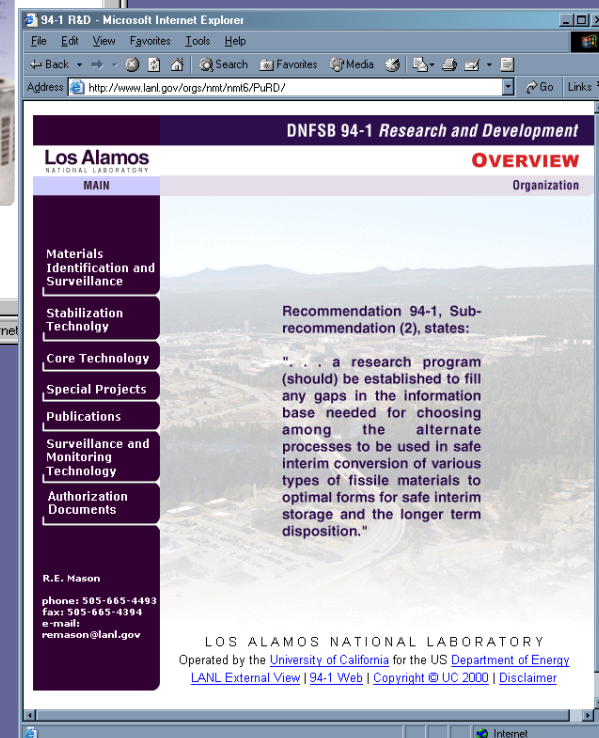


Integrated Surveillance Program

DEPLOYMENT STATUS:

LANL

- Cryptocarded Access
- Posting Small and Large Scale Surveillance Data
- Continuously Posting Reports / Work in Progress and Authorizing Documents to Website



Integrated Surveillance Program

DEPLOYMENT STATUS:

LLNL

- WDB Production Ready
- Request Additional Prompt Gamma Data
- Certify PCD Good to Go (Pending SRS)

HANFORD

- WDB Production Ready (Unclassified)
- WDB Training
- Certify PCD Good to Go (Pending SRS)

Site Specific Product Certification Databases (PCD's)

<u>Site</u>	<u>Deployment Status</u>	<u>FY03 Status</u>
• RFETS	<ul style="list-style-type: none">– WDB: In Production– PCD: Operational	<ul style="list-style-type: none">– WDB: In Production– PCD: Operational
• SRS	<ul style="list-style-type: none">– WDB: Pre Production– PCD: Operational	<ul style="list-style-type: none">– WDB: In Production– PCD: Operational
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• Hanford	<ul style="list-style-type: none">– WDB: Sample Provided– PCD: Pre Training	<ul style="list-style-type: none">– WDB: In Production– PCD: Operational

Integrated Surveillance Program

- Any Questions?